What is claim d is:

1. A recording medium having a data structure for managing reproduction of at least multiple reproduction path video data recorded on the recording medium, comprising:

at least one navigation area storing navigation management information for managing reproduction of the multiple reproduction path video data recorded on the recording medium, said at least one navigation area having angle change recording information corresponding to each of a plurality of video data blocks.

2. The recording medium as recited in claim 1 wherein the navigation management information includes an entry point map.

3. The recording medium of claim 1, wherein said navigation management information includes an entry point in a video stream to a corresponding one of said plurality of video data blocks.

4. The recording medium of claim 1, wherein said navigation management information includes a presentation time stamp start point in a video stream to a corresponding one of said plurality of video data blocks.

5. The recording medium of claim 1, wherein said navigation management information includes source packet identification information for a corresponding one of said plurality of video data blocks.

6. The recording medium of claim 1, wherein said navigation information includes an entry point in a video stream to a corresponding one of said plurality of video data blocks.

7. The recording medium of claim 1, wherein said navigation information includes video stream type information for a corresponding one of said plurality of video data blocks.

8. The recording medium of claim 1, wherein said navigation information includes I-picture offset information pointing to an address of a last I-picture contained in a corresponding one of said plurality of video data blocks.

9. The recording medium of claim 1, wherein said navigation information includes an entry point in a video stream to a corresponding one of said plurality of video data blocks, a presentation time stamp start point in a video stream to a corresponding one of said plurality of video data blocks, a source packet number a video stream to a corresponding one of said plurality of video data blocks, an entry point in a video stream to a corresponding one of said plurality of video data blocks, video stream type information to a corresponding one of said plurality of video data blocks, and an I-picture offset information pointing to an address of a last I-picture contained in a corresponding one of said plurality of video data blocks.

10. The recording medium of claim 1, wherein said angle change recording information corresponding to each of a plurality of video data blocks indicates whether an angle change is permitted.

11. The recording medium of claim 1, wherein said angle change recording information corresponding to each of a plurality of video data blocks includes angle change point information.

12. The recording medium of claim 1, wherein said angle change recording information corresponding to each of a plurality of video data blocks includes the address of the last interleaved video unit in the corresponding video data block.

13. The recording medium of claim 1, wherein the angle change recording information indicates where an angle change is permitted in the corresponding video data blocks.

14. The recording medium of claim 1, wherein said multiple reproduction path video data are recorded in the unit of angle block which is referred by angle change recording information.

15. The recording medium of claim 14, wherein data for each reproduction path data are recorded as one or more angle blocks and the angle blocks are interleaved.

16. A method of recording a data structure for managing reproduction of at least multiple reproduction path video data on a recording medium, the steps comprising:

recording navigation management information for managing reproduction of the multiple reproduction path video data in at least one navigation area of the recording medium, said at least one navigation area having a plurality of angle change recording information corresponding to each of a plurality of data blocks.

17. A method of reproducing a data structure for managing reproduction of at least multiple reproduction path video data on a recording medium, the steps comprising:

reproducing navigation management information for managing reproduction of the multiple reproduction path video data from at least one navigation area of the recording medium, said at least one navigation area having a plurality of angle change recording information corresponding to each of a plurality of data blocks.

18. An apparatus for recording a data structure for managing reproduction of at least multiple reproduction path video data recorded on a recording medium, comprising:

a driver for driving an optical reproducing device to record data on the recording medium;

a controller for controlling the driver to record navigation management

information for managing reproduction of the multiple reproduction path video data in at least one navigation area of the recording medium, said at least one navigation area having a plurality of angle change recording information corresponding to each of a plurality of video data block.

19. An apparatus for reproducing a data structure for managing reproduction of at least multiple reproduction path video data recorded on a recording medium, comprising:

a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

a controller for controlling the driver to reproduce navigation management information for managing reproduction of the multiple reproduction path video data from at least one navigation area of the recording medium; and

the controller for controlling the driver to execute an angle change only upon detecting an angle change authorization in the navigation data.